What is claimed is:

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- 1. A closure device for sterile closure of a connection of a filter module for dialysis, hemofiltration or ultrafiltration, comprising:
 - a closure element;
- a wall formed in the closure element having an automatically closing slit-shaped indentation forming a germ-proof closure when closed; and

means for fastening the closure element to a connecting tube disposed adjacent to the wall.

- 2. The closure device according to Claim 1, wherein the closure element is substantially cylindrical, the fastening means are cylindrical surface, and the slit-shaped indentation is formed on an end face of the cylindrical closure element.
- 3. The closure device according to Claim 1, wherein the closure element is symmetrical about an axis of the connection.
- 4. The closure device according to Claim 1, wherein the slit-shaped indentation is in the shape of a cross or a star.
- 5. The closure device according to Claim 1, further comprising a second wall opposite to the wall having the indentation, the second wall having an opening for passage of a fluid.
- 6. The closure device according to Claim 5, wherein a middle portion of the indentation is aligned with the opening.
- 7. The closure device according to Claim 5, further

comprising a surface extending around the opening in the second wall, said surface lying in a plane substantially perpendicular to a joining direction of the closure element to the connecting tube.

- 8. The closure device according to Claim 1, wherein the closure element is formed of one piece.
- 9. The closure device according to Claim 1, wherein the wall and the closure element are made of plastic.
- 10. The closure device according to Claim 9, wherein the plastic is silicone.

- 11. The closure device according to Claim 1, wherein the wall comprises a spring element acting in a radial direction.
- 12. The closure device according to Claim 11, wherein the spring element is formed by recesses arranged on at least one of a top and a bottom side of the wall.
- 13. The closure device according to Claim 12, wherein portions of the recesses are circular.
- 14. The closure device according to Claim 11, further comprising a portion of the wall extending in the longitudinal direction of the indentation that lacks the spring element.
- 15. The closure device according to Claim 1, wherein the slit-shaped indentation forms a germ-proof closure adapted to withstand a pressure difference up to about ± 0.25 bar.
- 16. A method for using a closure device for medical items,

comprising the steps of:

disposing a closure element in facing relationship with a connecting tube;

pushing the connecting tube through a wall formed in the closure element, thus opening an automatically closing slit-shaped indentation of the wall forming a germ-proof closure when closed; and

attaching fastening means disposed adjacent to the wall for connecting the closure element to the connecting tube.

- 17. The method according to Claim 16, further comprising the steps of selecting the medical item to be a filter module for dialysis, hemofiltration or ultrafiltration, and using the connection between the closure element and the connecting tube for in-line sterilization of the filter module.
- 18. The method according to claim 16, further comprising the step of placing the closure element on projecting connections of the fastening means.
- 19. The method according to Claim 16, further comprising the step of inserting the closure element into bushing-like connections of the fastening means.
- 20. A medical device having a plurality of connections for supplying or removing a fluid from the device, each of said connections comprising:
 - a closure element;
- a wall formed in the closure element having an automatically closing slit-shaped indentation forming a germ-proof closure when closed; and

means for fastening the closure element to a connecting

element disposed adjacent to the wall.

- 21. The medical devide according to Claim 20, comprising a filter module for one of dialysis, hemofiltration and ultrafiltration connected to the closure element.
- 22. The medical device according to Claim 20, wherein the closure element comprises one of an inside surface forming a germ-proof closure with the outside surface of the connecting element, and an outside surface forming a germ-proof closure with an inside surface of a bushing-like connection.
- 23. The medical device according to Claim 20, wherein the plurality of connections comprises at least two connections of the medical device, each connection being provided with a closure element.

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